

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph Oriti on May 21, 2009.

The application has been amended as follows:

**Claim 1:** In a computing system, a method for providing automatic universal resource locator (URL) analysis in connection with a process implicating a URL input mechanism, comprising: receiving URL input in a computing device; determining whether the URL input is valid; when the URL input is invalid, detecting whether said input is a likely candidate for multilingual analysis, further if said input is a likely candidate for said multilingual analysis, performing intelligent rules-based analysis including said multilingual analysis for identifying the invalid aspects of the invalid URL input; and displaying a smart error page comprising a valid alternative URL obtained from at least one database of known URLs, wherein the at least one database of known URLs is a local copy of a portion of the Internet DNS URL database, the local copy updated dynamically for affirming the validity of the known URLs and for generating a blacklist of URLs to exclude socially undesirable domains, the smart error page further comprising

a partial search result comprising a name of a topic related to the invalid URL input, and a link that when asserted provides an extensive listing of search results related to the invalid URL input.

**Claim 18:** In a computing system, a method for providing runtime automatic universal resource locator (URL) analysis and suggestion in connection with a service accessed from a client computing device utilizing a URL input mechanism, comprising: providing a URL input to the URL input mechanism of the client computing device; determining whether the URL input is valid and if invalid, detecting whether said input is a likely candidate for multilingual analysis, further if said input is a likely candidate for said multilingual analysis, transmitting said URL input to a server computing device for intelligent rules-based analysis, including said multilingual analysis, for identifying the invalid aspects of the invalid URL input; and displaying a smart error page comprising a valid alternative URL obtained from at least one database of known URLs, wherein the at least one database of known URLs is a local copy of a portion of the Internet DNS URL database, the local copy updated dynamically for affirming the validity of the known URLs and for generating a blacklist of URLs to exclude socially undesirable domains, the smart error page further comprising a partial search result comprising a name of a topic related to the invalid URL input, and a link that when asserted provides an extensive listing of search results related to the invalid URL input.

**Claim 36:** In a computing system, a method for displaying alternative suggestions for an invalid universal resource locator (URL) input, comprising: determining whether the URL input is valid and if invalid, detecting whether said input is a likely candidate for multilingual analysis; analyzing the invalid URL input based upon intelligent rules-based analysis and said multilingual analysis when said input is a candidate for said multilingual analysis, and identifying the invalid aspects of the invalid URL; referring to a local copy of a portion of the Internet DNS URL database, the local copy updated dynamically for affirming the validity of the URLs contained in the local copy; determining from said local copy, a valid alternative URL based on analyzing the invalid URL input; determining availability of a website corresponding to said valid alternative URL; if the website is currently unavailable, displaying a browser DNS error page to indicate that a page cannot be displayed if the website is currently available, displaying a smart error page comprising said valid alternative URL, a partial search result comprising a name of a topic related to the invalid URL input, and a link that when asserted provides an extensive listing of search results related to the invalid URL input.

**Claim 40:** A computing device providing automatic universal resource locator (URL) analysis in connection with a process implicating a URL input mechanism, comprising: means for providing input to the URL input mechanism of the computing device; means for determining whether the URL input is valid and if invalid, detecting whether said input is a likely candidate for multilingual analysis, and if said input is a likely candidate for said multilingual analysis, transmitting said URL input with a means for transmitting to a server computing device for intelligent rules-based analysis of the invalid URL

input, including said multilingual analysis, and identification of the invalid aspects of the invalid URL; and means for displaying an error page containing a valid alternative URL that is obtained by said server from a local copy of a portion of the Internet DNS URL database, the local copy updated dynamically for affirming the validity of the known URLs and the local copy comprising a block list for blocking the use of undesirable domains, the error page further comprising a partial search result comprising a name of a topic related to the invalid URL input, and a link that when asserted provides an extensive listing of search results related to the invalid URL input.

2. Claims 1, 3-7, 9-13, 15, 18-25, 28-33, 36-38, 40-42, 47, 49-51, 53, 56, 57, 59 and 60 are allowed.

3. The following is examiner's reasons for allowance: The prior art of record solely or in combination failed to teach the invention as claimed. For instance the prior art was not found to teach "displaying a smart error page comprising a valid alternative URL obtained from at least one database of known URLs, wherein the at least one database of known URLs is a local copy of a portion of the Internet DNS URL database, the local copy updated dynamically for affirming the validity of the known URLs and for generating a blacklist of URLs to exclude socially undesirable domains, the smart error page further comprising a partial search result comprising a name of a topic related to

the invalid URL input, and a link that when asserted provides an extensive listing of search results related to the invalid URL input".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASGHAR BILGRAMI whose telephone number is (571)272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia L.M. Dollinger can be reached on 571-272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Asghar Bilgrami/  
Examiner, Art Unit 2443

/George C Neurauter, Jr./

Primary Examiner, Art Unit 2443